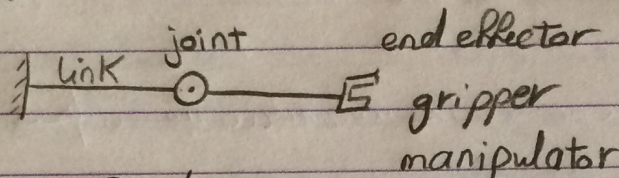
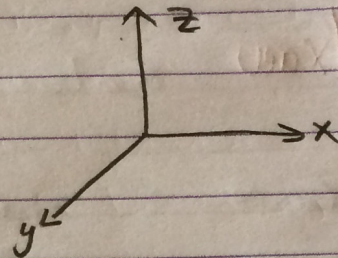
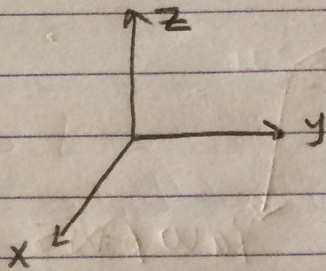


DATE: 22-2-2017

SUBJECT: Lec 9

Social Impact

P.12



degree of freedom "DOF"

1. one degree of freedom x, y, z حركة

2. Two " " " x, y, z حركة

3. Three " " " x, y, z حركة

• Translation - linear - prismatic: حركة خطية $P \updownarrow$

• Rotation - revolution: حركة دورانية $R \curvearrowright$

S.14

$2P3R \rightarrow$ 2 prismatic 3 revolution

$3PR \rightarrow$ 3 prismatic, 1 revolution

$2PR \rightarrow$ cylinder 2 prismatic and 1 revolution

Components

arms.

Joints.

sensors.

Control SW

Humenoid Robot

الروبوت البشري

DATE: _____

SUBJECT: _____

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تغیر کی وجہ

[x / y / z
Roll / Pitch / Yaw

